

# SONY®

## BULLETIN

# VIDEO

# PVM 1300AS

TRINITRON COLOUR VIDEO MONITOR



The PVM1300AS is a 13" professional Trinitron Studio Colour Monitor designed for monitoring not only two selectable PAL Composite Inputs but also RGB Inputs. With RGB Inputs, the Monitor may be externally synchronised. Loop through connectors are provided for Video, RGB and Sync.

Input selection and white balance adjustments are easily made at the front panel, monochrome display is available with the Y Input selector. Contrast, colour and brightness controls are brought out to the front. Looping Video, RGB and Sync. Receptacles (UHF type) are available at the rear.

**PVM1300AS**

RESEARCH MAKES THE DIFFERENCE

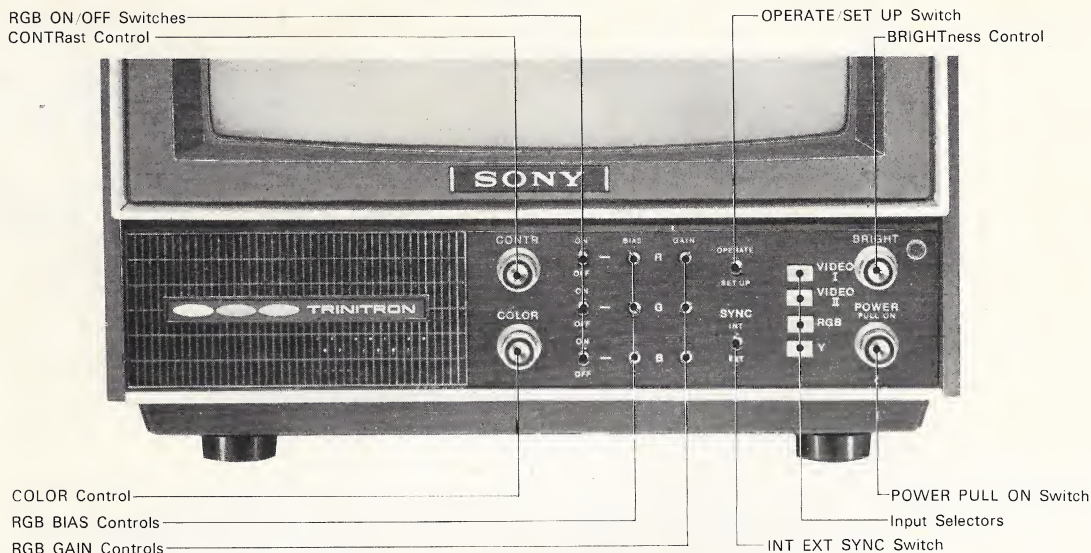
**SONY.**



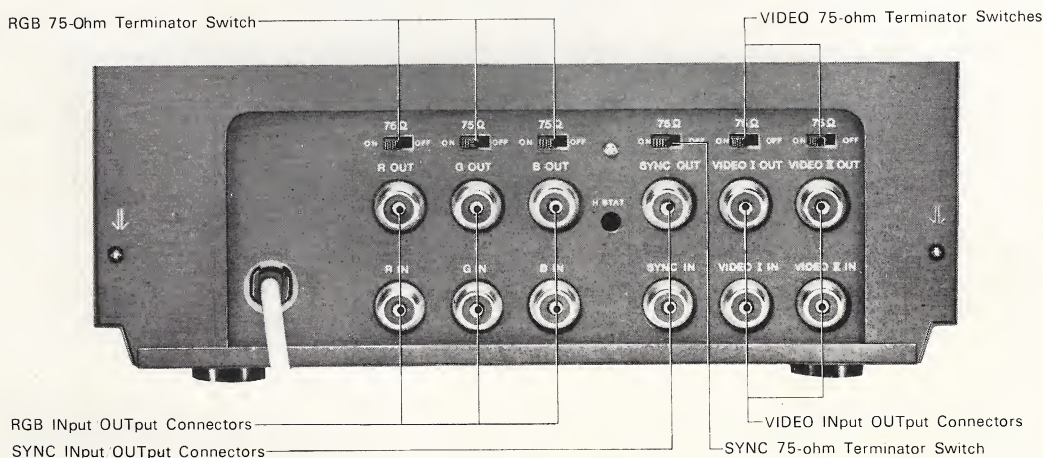
# PVM1300AS

## TRINITRON COLOUR VIDEO MONITOR

### Front Panel



### Rear Panel



## SPECIFICATIONS

Signal system:	CCIR system, B, G and H
Colour system:	PAL
Picture tube:	Trinitron 32.63 cm (13"), visible picture size 30.51 cm (12"), measured diagonally, 90° deflection
Video Input:	RGB input; 0.7 Vp-p $\pm$ 6 dB, positive Composite; 1 Vp-p $\pm$ 6 dB, sync negative (VIDEO I and II) Non-composite; 0.7 Vp-p $\pm$ 6 dB, positive (VIDEO I and II)
Sync. Input:	0.5 — 8 Vp-p, negative
Video/Sync. Input Impedance:	High impedance for loop-through, 75 ohms terminated
Frequency response:	15 kHz — 5 MHz $\pm$ 1 dB, within — 2 dB at 7 MHz
Return loss:	More than 32 dB at 5 MHz
Amplitude linearity:	Less than 5%
Deflection linearity:	$\pm$ 5%
Convergence error:	Less than 0.5mm at centre
Misconvergence:	Less than 1.5mm
DC restoration:	Back porch type
Colourimetry:	Adjustable
E.H.T.:	19 Kv, nominal regulated, Load variations cause less than 3% picture height variation
(Extremely High Tension)	
PAL Demodulator performance:	Luminance; Frequency response 15 kHz — 5 MHz $\pm$ 1.5 dB Amplitude linearity 5% Chrominance; Bandwidth PAL Approx. 1.2 MHz — 3 dB Demodulation axis; PAL U,V
Connector:	UHF (M type) connectors
Power requirements:	AC240V, 50/60Hz
Power consumption:	96W
Dimensions:	336(W)x392(H)x425mm(D)
Weight:	21kg (46lb 5oz)
Optional accessory:	SECAM demodulator board

Design and specifications subject to change without notice